

Interference Suppression Capacitors

 Series Code
07

(ENEC Approved) Class X2

Main Application

Across the line application for Interference suppression.

Construction

Low inductive cell of metallized polypropylene film encased in flame retardant grade UL94 V-0 box potted with flame retardant UL94 V-0 epoxy resin.

Climatic Category

40/110/56/B

Maximum Operating Temperature

110° C

Applicable Specification

IEC384-14

Capacitance Value

0.01 μF-10 μF

Capacitance Tolerance

±10%, ±20%

Insulation Resistance

 Minimum Insulation Resistance R_{IS}
 (or) time constant $T = C_R \times R_{IS}$
 at 25° C, relative humidity ≤65%

 $C_R \leq 0.33 \mu F$
 $> 6,000 M\Omega$
 $C_R > 0.33 \mu F$
 $> 2000s$
Rated Voltage

310VAC

Voltage Proof

4.3 times of the rated voltage value, DC voltage for 2 sec.

Tan δ

0.1% (max.) at 1 kHz


Life Test Conditions
(Loading at elevated temperature)

Loaded at 1.25 times of rated voltage at 110° C for 1000 hours with once per hour 1000 V (RMS) via 47 Ω ±5% resistor for 0.1 second.

After the Test
 $\Delta C/C: \leq 10\%$.

 Increase of Tan δ: $\leq 0.008, C_R \leq 1 \mu F; \leq 0.005, C_R > 1 \mu F$;
 Insulation resistance: $> 50\%$ of the initial value.

Safety Approval X2	Voltage	Value	Certificate Numbers
EN 60384-14:2005 (ENEC) (= IEC 60384-14:2013 ed-4)	310VAC	0.01μF to 10μF	2017076
CB Test Certificate			



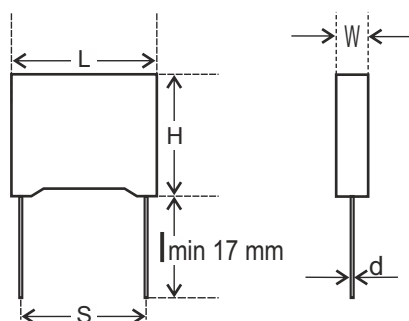
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Ordering code and packing units: Interference Suppression Capacitors (ENEC Approved) Class X2 • Series Code 07

Rated Voltage	Rated Cap. (µF)	Dimensions (mm)					DV/DT V/µs	Ordering code	Packing Bulk
		W ±0.5	H ±0.5	L ±0.5	d ±0.02	S ±0.5			
310VAC	0.01	5.0	10.0	13.0	0.6	10.0	350.0	07 103 +05* ^	500
	0.022	5.0	11.0	13.0	0.6	10.0	400.0	07 223 +05* ^	500
	0.022	4.5	10.0	18.0	0.8	15.0	400.0	07 223 +05* ^	250
	0.047	5.5	10.5	10.0	0.6	7.5	400.0	07 473 +05* ^	500
	0.047	6.0	12.0	13.0	0.6	10.0	400.0	07 473 +05* ^	500
	0.047	5.0	10.0	18.0	0.8	15.0	400.0	07 473 +05* ^	250
	0.068	6.0	12.0	10.0	0.6	7.5	400.0	07 683 +05* ^	500
	0.068	6.0	12.0	13.0	0.6	10.0	400.0	07 683 +05* ^	500
	0.068	5.5	11.0	18.0	0.8	15.0	400.0	07 683 +05* ^	250
	0.1	7.5	13.5	10.0	0.6	7.5	400.0	07 104 +05* ^	500
	0.1	6.0	12.0	13.0	0.6	10.0	400.0	07 104 +05* ^	500
	0.1	7.0	11.0	18.0	0.8	15.0	400.0	07 104 +05* ^	250
	0.15	7.5	13.0	13.0	0.6	10.0	400.0	07 154 +05* ^	500
	0.15	6.0	12.0	18.0	0.8	15.0	400.0	07 154 +05* ^	250
	0.15	5.0	11.0	26.0	0.8	22.5	400.0	07 154 +05* ^	150
	0.22	7.0	15.0	13.0	0.6	10.0	400.0	07 224 +05* ^	500
	0.22	9.0	16.5	18.0	0.8	15.0	400.0	07 224 +05* ^	250
	0.22	6.0	13.5	26.0	0.8	22.5	400.0	07 224 +05* ^	150
	0.33	8.5	14.0	15.0	0.6	10.0	400.0	07 334 +05* ^	500
	0.33	8.0	15.5	18.0	0.8	15.0	400.0	07 334 +05* ^	250
	0.33	8.5	14.5	26.0	0.8	22.5	400.0	07 334 +05* ^	150
	0.47	10.0	20.0	12.5	0.6	10.0	400.0	07 474 +05* ^	500
	0.47	8.0	15.5	18.0	0.8	15.0	400.0	07 474 +05* ^	250
	0.47	7.5	17.0	26.0	0.8	22.5	400.0	07 474 +05* ^	150
	0.47	7.0	15.5	31.0	0.8	27.5	400.0	07 474 +05* ^	100
	0.68	10.0	17.0	18.0	0.8	15.0	400.0	07 684 +05* ^	250
	0.68	8.0	17.0	26.0	0.8	22.5	400.0	07 684 +05* ^	150
	0.68	8.5	18.0	31.0	0.8	27.5	400.0	07 684 +05* ^	100
	1.0	11.0	20.0	18.0	0.8	15.0	400.0	07 105 +05* ^	250
	1.0	11.0	19.5	26.0	0.8	22.5	400.0	07 105 +05* ^	150
1.0	10.5	19.5	31.0	0.8	27.5	400.0	07 105 +05* ^	100	
1.5	11.0	21.5	26.0	0.8	22.5	400.0	07 155 +05* ^	150	
1.5	15.0	25.0	31.0	0.8	27.5	400.0	07 155 +05* ^	100	
2.2	14.0	24.0	26.0	0.8	22.5	400.0	07 225 +05* ^	150	
2.2	18.0	30.0	31.0	0.8	27.5	400.0	07 225 +05* ^	100	
3.3	17.5	26.0	31.0	0.8	27.5	400.0	07 335 +05* ^	100	
3.3	16.0	27.0	41.5	1.0	37.5	400.0	07 335 +05* ^	50	
4.7	20.0	30.5	31.0	0.8	27.5	400.0	07 475 +05* ^	100	
4.7	21.0	32.0	42.0	1.0	37.5	400.0	07 475 +05* ^	50	
6.8	25.0	35.5	41.5	1.0	37.5	400.0	07 685 +05* ^	50	
10.0	28.5	41.5	41.5	1.0	37.5	400.0	07 106 +05* ^	50	



Note: For more details please contact info@dekielectronics.com